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Agenda - Customer agreements



- Distribution Solutions
 - Utility Owned Customer sited
 - Overview of siting
 - Agreement summary
 - Customer Owned Utility Lease
- Customer Premium Power Utility Owned
 - Structure
 - Utility Benefits
 - Customer Benefits
 - Agreement Summary



Distribution Solutions Utility Owned





Siting & Approval Process



"the sales presentation"

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Planning - Definitions



Emergency - immediate relief of an emergency problem using our portable generator or a leased unit. Should also include circuit specific interruptible load to manage loading under emergency.

Explore known customer generation for emergency help.

Temporary - relief of a problem using leased or purchased DG to return levels to within planning criteria, should last for 1 to 4 years. The generator as well as circuit specific interruptible load should be used to manage that level.

Partnering with customers for siting of DG.

Explore known customer generation for help.

Permanent - relief of a problem that returns loading to below criteria for an estimated 5 years.

- Try to get the message out to communities, customers, DEQ, PSC, etc. that <u>electricity is an</u> <u>essential service and that utilities have a mandate to serve</u>.
- The emergency and temporary installations are special circumstances that should be given different treatment, at minimum faster responses.
- Speak with a common voice
 - Enlist other state utilities
 - Offer to give them contacts of others who have agreed with this position.



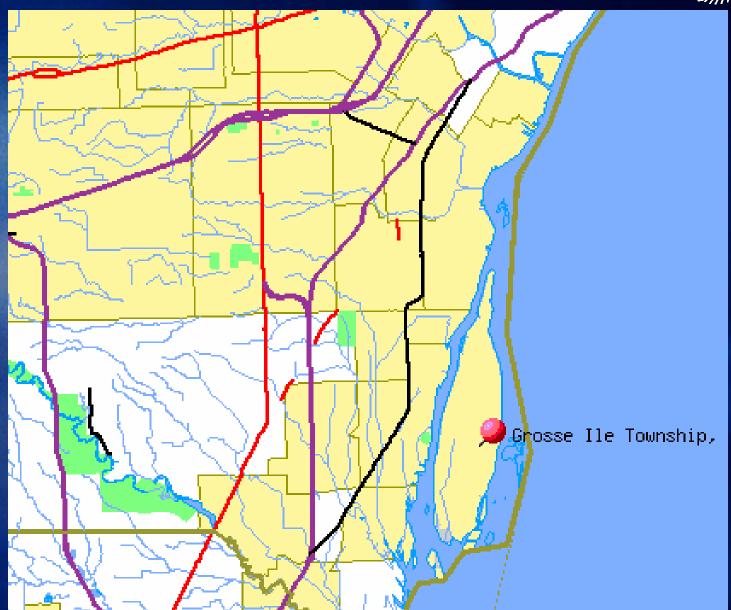
Siting

- At the Substation (We own the land)
- Remote from substation is the best
- Look for Larger Customers
- Have Access to 3-phase power
- Aesthetic Consideration (Obscure for both sight and sound)
- Available 55' x 32' footprint
- Schools, churches, Airports, Municipal yards, Water & Sewer, Gas compressor stations, Armed Services, Medical facility, Governmental and Community properties, larger industrial and commercial, Etc.
- Access to Nat. Gas



Grosse Ile School and Area







The Presentation to Grosse Ile Schools

The presentation was make to the School Board & the community leaders:

It began with a home made video of other sites

Note: We were told by the DTE Video Department

"not to quit our day jobs"

It ended with a sound demonstration using a Amplifier and our portable DB Meter

Grosse Ile Schools

Macomb

Problem:

Circuit Overload DC2841

Resolution should be:

Remote from substation

At Largest Customer

Have Access to Nat. Gas

Have Access to 3-phase power

Aesthetic Consideration

(Obscure for both sight

And sound)

Available 55' x 32' footprint



Horse Mill

Grosse Ile School and Area

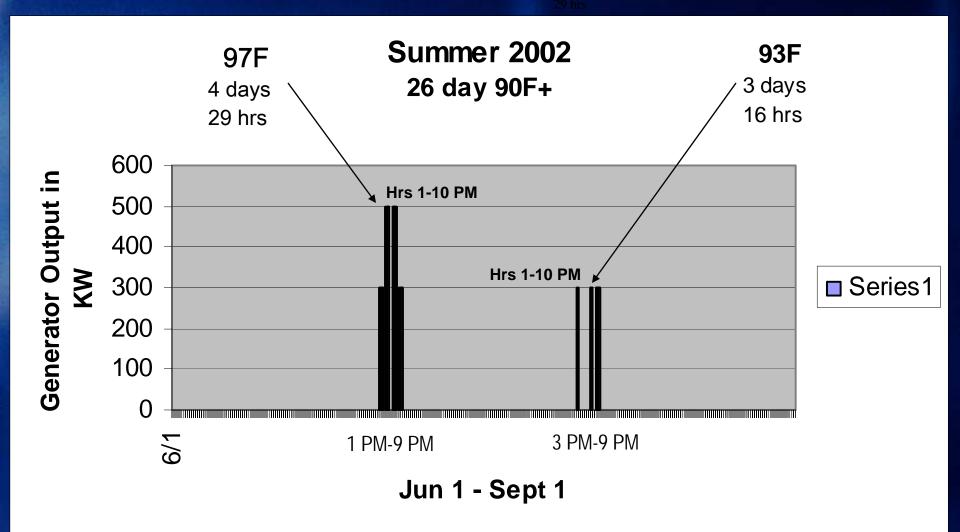




Load Analysis for 2002 Summer

				High
Date	Time	Hours	Day	Temp (oF)
7/1/2002	3pm - 9pm	6	Monday	95
7/2/2002	1pm - 10pm	9	Tuesday	96
7/3/2002	1pm - 9pm	8	Wednesday	97
7/4/2002	1pm - 7pm	6	Thursday	95
7/29/2002	3pm - 4pm	1	Monday	91
7/31/2002	3pm - 9pm	6	Wednesday	93
8/1/2002	1pm - 10pm	9	Thursday	92
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CO CONTRACTOR OF THE PARTY OF T	Total Hours	45	Avg Temp	94.1





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The Lease



"The great enemy of clear language is insincerity. When there is a gap between one's real and one's declared aim, one turns, as it were instinctively, to long words and exhausted idioms, like a cuttlefish (octopus) squirting out ink" George Orwell, "Politics and the English Language"

Keep it Simple



Copies of our beginning 3 page lease available on request



General Lease (Distribution Solution)



Typical Land Lease

TERM AND RENT

- 1. Term
- 2. Option to Renew
- 3. Rent

USE AND ENJOYMENT

- 4. Use
- 5. Access
- 6. Quiet Enjoyment

MAINTENANCE

7. Improvements; Alterations

TERMINATION

8. Termination

INDEMNITY

9. Indemnity



General Lease (used for DG)



GENERAL PROVISIONS

- 10. Entire Agreement
- 11. Modifications
- 12. Severability
- 13. Applicable Law
- 14. Heading
- 15. Waivers
- 16. Successors and Assigns

Lease Payment is negotiated – loosely based on satellite lease payment as well as storage rates per square foot





Distribution Solutions

Customer owned Utility Leased



General Lease - Customer DG



- General lease plus
 - complication of establishing existing condition (like leasing a used car)
- Additional Equipment
 - Monitoring, communication and control
 - Closed-transition switching
 - Additional metering
- Establishment of generator base line (inspection including infrared) for current value, condition, and additional required maintenance
- Fuel agreement Utility to monitor and arrange deliveries fuel cost shared according to use
- Operations & Control Agreement
 - Utility control in Summer high loading
 - Utility run time not to exceed 400 hours
 - Customer control during remainder of year
 - Operations Agreement
 - Required regular maintenance not to exceed 100 hours



Premium Power



Premium Power Structure



- On-site standby generators
- Equipment is installed, owned, operated, & maintained by Detroit Edison
- Standard contract length is seven to ten years;
 contract continues year-to-year thereafter
- Available to bundled tariff customers only
- 24 hour monitoring through System Operations Center
- Sound-attenuated generator housing
- Critical grade exhaust system
- Enclosed muffler (if available)
- Customer choice of natural gas or diesel
- Closed-transition transfer switch



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Benefits to Utility

- May provide needed capacity to reduce constraints
 - Transmission
 - Distribution
- Distribution Planning Tool Alternative to second utility feed
- Increased Customer Satisfaction
- Customer Retention
- Return is based on a portfolio of assets
 - Risk is low and quantified
 - Financial model and assumptions static for all customers
- Standard Contract-minimal negotiations, legal intervention

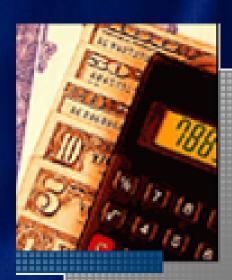


*Customer may be able to capture some of Electric Utility benefits through interruptible tariff

Customer Benefits - Financial

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- Requires no down payment
- Fixed monthly fee: line-item on utility bill
- Accounting treatment as a service
 - Off-balance sheet
 - Not a lease
 - Lowers customer's taxable income
- Property taxes included
- Insurance included
- Eligibility for interruptible electric rate
 - Typical savings of 10-20%
 - Service pays failure to interrupt penalty
- Minimize fuel cost volatility
 - Output metered and sold at standard electric rate
 - Other alternatives
 - Include fuel in monthly fee
 - Use customer fuel



Customer Benefits - Construction & Asset Management

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- Complete turn-key installation
- Air and fuel tank permitting supplied by Detroit Edison
- All city permitting is handled by Detroit Edison
- Customer will be responsible for cost sharing on impacts of future environmental law changes
- Full preventative maintenance program
 - 24-hour monitoring
 - 24-hour service (4 hour response time)
 - Automatic refueling
- All unscheduled or breakdown maintenance is included







Premium Power Agreement Modeled after redundant service agreement

- Base on standard tariff rider we use a second utility feed.
- We build utilities for you and we will charge you for our cost plus rate of return plus operating expenses with O&M
- It is handled as a service not an operating lease
- The customer treats it as an off balance sheet expense
- Min 7 year agreement with an evergreen clause or customer can elect to end or buy outright
- Utility can negotiate additional sell-back DG
- Customer can move to interruptible rate



Questions

